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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/674,157	09/29/2003	Kejitan Jockey Dontas	13436.278 (Dontas 1-1)	1908
24283	7590	06/21/2007		
PATTON BOGGS LLP 1801 CALIFORNIA STREET SUITE 4900 DENVER, CO 80202			EXAMINER KEEFER, MICHAEL E	
			ART UNIT 2154	PAPER NUMBER
			MAIL DATE 06/21/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/674,157	DONTAS ET AL.	
	Examiner	Art Unit	
	Michael E. Keefer	2109	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 May 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,5 and 6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-2 and 5-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This Office Action is responsive to the Amendment filed 5/7/2007.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claims 1-2 and 5-6 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Regarding claims 1 and 5, the limitation in line 9 "assigning selected ones of" is not supported by Applicant's specification, as on page 7 lines 31-33 only disclose assigning a Public and Private IP address to *each* port, i.e. all ports. There is no suggestion in the specification, drawings or original claims that only "selected" ports might be assigned a public IP address.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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5. Claims 1-2 and 5-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over The applicant's admitted prior art drawing Figure 5 in view of Bhatia et al. (US 6023724), hereafter Bhatia and further in view of Warriar et al. (US 2002/0116523), hereafter Warriar.

Figure 5 discloses:

A network address translation system (Fig. 5) for isolating internal IP traffic from external IP traffic in the Inter-Working Function of a Global System for Mobile Communications network (Fig. 5, 301), comprising:

network means for interconnecting (Fig. 5, Ethernet Switch 314) an Inter-Working Function Protocol Engine (Fig. 5, 312) and an Inter-Working Function Management System (Fig. 5, 311), located in said Inter-Working Function; and a network server for processing external IP traffic with an external data communication network (Fig. 5, L2TP server 303)

external IP address means for additionally assigning selected ones of said ports of said Inter-Working Function Protocol Engine with a public IP address for access from a source located external to said Inter-Working Function (321, since the address has been assigned, means for assigning are inherent, the selected group consists of all ports within the IWF);

L2TP network server means (303) connected to said network means (314) for interconnecting said network means with the Internet. (Fig. 5)

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Admitted prior art Figure 5 discloses all of the limitations of claims 1-3 and 5-7 except for internal IP address means, routing means, and address means for appending.

Regarding the missing limitations, Bhatia teaches:

internal IP address means for assigning each port of said Inter-Working Function Protocol Engine with a private IP address for use exclusively on said network means; (Col 11, lines 59-62 state that LAN modem 300 assigns a private address to both terminals 10e and 10f)

routing means for assigning a one of said private and public IP addresses to data transmissions received at said network means and associated with said port of said Inter-Working Function Protocol Engine. (Col 12, lines 10-25 describe the routing means that assign IP addresses to data transmissions received.)

address means for appending said assigned public IP address to said data transmission as a source address when said port of said Inter-Working Function Protocol Engine is a source of said data transmissions for transmission to said L2TP network server means. (Col 12 lines 17-23 discloses that packets heading to the ISP have their address changed (appended) to use the public IP address.)

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the admitted prior art of Figure 5 to include the use of the IP address means, routing means and address means of Bhatia in order to significantly reduce time and costs associated with establishing, configuring and using a LAN for a workgroup as

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well as with connecting each client therein to a remote network service provider.

(Bhatia, Col 4, lines 27-30)

Prior Art Figure 5 and Bhatia teach all the limitations of claims 4 and 8 except for:

address means for appending said assigned private IP address to said data transmission as a destination address when said port of said Inter-Working Function Protocol Engine is a source of said data transmissions for transmission to said Inter-Working Function Management System.

The general concept of assigning a source address to a data packet based on the destination of the data packet is well known in the art as taught by Warriar. (Fig. 3, steps 307-317)

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the admitted Prior Art Figure 5 and Bhatia with the general concept of assigning a source address to a data packet based on the destination of the data packet as taught by Warriar in order to reduce round trip time by allowing the destination if in the same private network to respond directly within the private network without having to have the request routed through the public network.

Response to Arguments

6. Applicant's arguments filed 5/7/2007 have been fully considered but they are not persuasive.

Summary of Arguments

1) Applicant requests that the rejection of claims 1-2 and 5-6 under 35 U.S.C. 101 be withdrawn.

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2) Applicant requests that the rejection of claims 1-2 and 5-6 under 35 U.S.C. 112, second paragraph be withdrawn.

3) Applicant requests that the rejection of claims 1-2 and 5-6 under 35 U.S.C. 103(a) be withdrawn because the references do not teach that the devices are on the same side of the network system.

Response to Arguments

1) The examiner has withdrawn the rejection under 35 U.S.C. 101 therefore Applicant's arguments are moot.

2) The examiner has withdrawn the rejection under 35 U.S.C. 112 2nd paragraph therefore Applicant's arguments are moot.

3) The examiner notes that the claims do not recite any limitation that the devices be on the same "side" of the network, and addresses the amendments to the claim in the above rejection under 35 U.S.C. 103(a).

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Alkhatib et al. (US 2004/0249974) teaches the assigning of a private IP address and the assigning of a public IP address to the same device. (See at least [0029] and [0030]).

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

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§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael E. Keefer whose telephone number is (571) 270-1591. The examiner can normally be reached on Monday-Thursday 7am-4:30pm, second Fridays 7am-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MEK 5/25/2007

NATHAN J. FLYNN
SUPERVISORY PATENT EXAMINER
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